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RAW SEQUENCE LISTING  
 PATENT APPLICATION: US/09/833,740

DATE: 11/01/2001  
 TIME: 14:16:05

Input Set : A:\16777463.app  
 Output Set: N:\CRF3\11012001\I833740.raw

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3 <110> APPLICANT: DRUCKER, DANIEL J.  
 4 LOVSHIN, JULIE  
 6 <120> TITLE OF INVENTION: GLP-2 RECEPTOR GENE PROMOTER AND USES THEREOF  
 8 <130> FILE REFERENCE: 016777/0463  
 10 <140> CURRENT APPLICATION NUMBER: 09/833,740  
 11 <141> CURRENT FILING DATE: 2001-04-13  
 13 <150> PRIOR APPLICATION NUMBER: 60/196,909  
 14 <151> PRIOR FILING DATE: 2000-04-13  
 16 <150> PRIOR APPLICATION NUMBER: 60/265,310  
 17 <151> PRIOR FILING DATE: 2001-02-01  
 19 <160> NUMBER OF SEQ ID NOS: 18  
 21 <170> SOFTWARE: PatentIn Ver. 2.1  
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 24 <211> LENGTH: 2170  
 25 <212> TYPE: DNA  
 26 <213> ORGANISM: Artificial Sequence  
 28 <220> FEATURE:  
 29 <223> OTHER INFORMATION: Description of Artificial Sequence: Recombinant  
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 34 gaccaaggca agtccttca gggggaaagaa aatcaggaaa aaaaaaaaaatt tttagaaggcat 120  
 35 ttcaagaaggc aagatggaaat atttgtacaa aacagggtct ttctccccca ccatacgacc 180  
 36 cgggagctcc actgatatgg acagaatagc tttacagcta cattcaaaac acacacacac 240  
 37 acacacacac acacacacac acacacacac acacacacat gtttcttcc ctccctccac 300  
 38 ttccctccat tctctgtggc cccaaagaga tgaccatatt gactgttagaa atcacaccac 360  
 39 cataaaagcc catctgggag ccatttccag actgatctt ttatcattaa ggtttgaatt 420  
 40 ctgcacgt gtgggtttta aggttttttag ggatttttat ctgcggcac tcacactgctt 480  
 41 ccctgtgaat gttcagaatt cactggcctt ggtcagctaa tggaaatgtat ctatggttt 540  
 42 acttaaatgt gaaaggaaaa aaaagaaggg ggaaaaggag ggaggggagaa agaggggaag 600  
 43 gaaaaactgc cttttatgcc tattgtact ctaacatttt gtctctcacc ttccacttgg 660  
 44 ttcttcaatg gaaagactgg atagaaagct gggagccagc cagggatagg aggagtgtgt 720  
 45 gtgtgtgtgg ggggggggtgg gcagcaagca gacgtttaga gacagagaag agcctgctag 780  
 46 agaycatgag ctttcttga gacccttagt gctaacagga atagttctta accaggttagc 840  
 47 tgggtcagc tgactcggct ggaagsctt gctttgtctt tttgcttgcgt gtgcagccctt 900  
 48 gaacaaacac cctggctct ttgaacccca ctatttctca gccctcagat gaagaagtaa 960  
 49 tggtaacctt gaggatactg atgggttcaa gtgaacttagg gcagagggtg gaaggtttg 1020  
 50 taaccataaa ctgaagtggg gtgttggta gtaagtagcc atgaataccaa taaaaatatc 1080  
 51 tgtcaggtgg ccagagcatc actgtgttca gaacacaacg gcccactcag aacacgcgga 1140  
 52 caattgaaag gcaccaacccctt ccgtgtttcc taccgttgcgt ttgttaccg tgtaaacgc 1200  
 53 actcaactctt cggcactgaa caggcttttgc ctgcagacccctt ggggtctggta ggtgttgcgt 1260  
 54 ctgagacagg aaaactcattt ttgttactat ggcatacttag taaccacggta gctctgagat 1320  
 55 agccctgagc tggtggcggtt tagaaaaggat tgatgtttta gaaagaaatc gtggctaaa 1380  
 56 agaaggctac ctggcatggg gccccatccctt ctccagccat ccgaatctca atctggcgt 1440  
 57 gtgcgttaaga atagaatccctt cggaaatggta accatgtctt gctttttctt ctgggcttgc 1500  
 58 tggaaatgtcc caggcagcg tagacgtttt ggggttaggt ctggaaaaaa tctcccaaga 1560  
 59 tttaggagg ggcaggcggg ggatgagaaa cttggagatt cggttagatcg ctgttagagca 1620

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60 actcagacag tcggcgccct gaagaggact tgtcaaaca cttccctctt ggacaaggag 1680  
 61 gaatgcagga gcccacccgc tgcagtacat cttggagtgt tggagggatg tgcctgcact 1740  
 62 tgtgaaaggg cgccagaagg acgaggcccc aaccaagccc ggcagtgc c agtagatgca 1800  
 63 gagagcgtcc ctgccccggg cgccacagtwg ggctccctgc gcccagggg cctgagtctc 1860  
 64 tccackccca cgggatgcgt cggctctggg gccctggac gcccttcctc tccctgcttc 1920  
 65 tgctggttt catcaagcaa gtaagaacag attttatttc ctcattcgtc ttgttaatat 1980  
 66 tatcagttgt gcatgtttc tgagtgtaga agcaatttag gcccgtgt a ggcatttgg 2040  
 67 gtaagaataa aaccatatta agaaaatgag gctcaaccac aaccccgat gcatctgct 2100  
 68 cactgttcat atttggctg atttttaaaa aaattctctt ttctgtgcat tattttacac 2160  
 69 agccgaaatt 2170  
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 73 <211> LENGTH: 341  
 74 <212> TYPE: DNA  
 75 <213> ORGANISM: Mus sp.  
 77 <400> SEQUENCE: 2  
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 79 gtgttggagg gatgtgcctg cacttgtaa agggcccg aaggacgagg ccccaaccaa 120  
 80 gcccgcctg gcccactaga tgcagagagc gtccctgccc cgggcgcaca gtggggctcc 180  
 81 ctggggccca ggggcctgag tctctccack cccacggat gcgtcggctc tggggccctg 240  
 82 ggacgcctt cctctccctg cttctgtgg tttccatcaa gcaagtaaga acagatttt 300  
 83 attcctcatt cgtcttgtt atattatcag ttgtgcatgt t 341  
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 87 <211> LENGTH: 350  
 88 <212> TYPE: DNA  
 89 <213> ORGANISM: Rattus sp.  
 91 <400> SEQUENCE: 3  
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 93 gtgttggagg gatgtgcctg cacttgtaa cggggcccg gagaatgagg ccccaaccaa 120  
 94 gcccgcctg gcccactaga tgcagagagg caccgtgcc ccgagtgagg gcacagccag 180  
 95 tgggcattccc tgaggcccg gggccctgc ctctccactc ccaacagatg cgtctgtgt 240  
 96 ggggcctgg gaggcccttc ctgcctgtc ttctgtgtt tttccatcaa caagttacag 300  
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 103 <212> TYPE: DNA  
 104 <213> ORGANISM: Rattus sp.  
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 107 <221> NAME/KEY: CDS  
 108 <222> LOCATION: (105)..(230)  
 110 <400> SEQUENCE: 4  
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 113 gtgttggagg gatgtgcctg cacttgtaa cggggcccg gaga atg agg ccc caa 116  
 114 Met Arg Pro Gln  
 115 1  
 117 cca agc ccg gca gtg ccc agt aga tgc aga gag gca ccc gtg ccc cga 164  
 118 Pro Ser Pro Ala Val Pro Ser Arg Cys Arg Glu Ala Pro Val Pro Arg  
 119 5 10 15 20  
 121 gtg agg gca cag cca gtg ggc atc cct gag gcc cag ggg ccc gtt cct 212  
 122 Val Arg Ala Gln Pro Val Gly Ile Pro Glu Ala Gln Gly Pro Val Pro

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123	25	30	35	
125	ctc cac tcc caa cag atg			230
126	Leu His Ser Gln Gln Met			
127	40			
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131	<211> LENGTH: 42			
132	<212> TYPE: PRT			
133	<213> ORGANISM: Rattus sp.			
135	<400> SEQUENCE: 5			
136	Met Arg Pro Gln Pro Ser Pro Ala Val Pro Ser Arg Cys Arg Glu Ala			
137	1 5 10 15			
139	Pro Val Pro Arg Val Arg Ala Gln Pro Val Gly Ile Pro Glu Ala Gln			
140	20 25 30			
142	Gly Pro Val Pro Leu His Ser Gln Gln Met			
143	35 40			
146	<210> SEQ ID NO: 6			
147	<211> LENGTH: 493			
148	<212> TYPE: DNA			
149	<213> ORGANISM: Mus sp.			
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152	<221> NAME/KEY: CDS			
153	<222> LOCATION: (401)..(466)			
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158	ggtaggtctg gaaaaaatct cccaagattt aggaggggca ggccggggat gagaaacttg 120			
160	gagattcgtt agatcgctgt agagcaactc agacagtctg cggcctgaag aggacttgt 180			
162	caaacacttc ctctctggac aaggaggaat gcaggaggcc accgcctgca gtacatctt 240			
164	gagtgttggaa gggatgtgcc tgcacttgtg aaaggggcgc agaaggacga ggccccaaacc 300			
166	aagcccgcca gtgcccagta gatgcagaga gcgtccctgc cccggggcga cagtwwggct 360			
168	ccctgcggcc cagggcctg agtctctcca ckcccacggg atg cgt cgg ctc tgg 415			
169	Met Arg Arg Leu Trp			
170	1 5			
172	ggc cct ggg acg ccc ttc ctc tcc ctg ctt ctg gtt tcc atc aag 463			
173	Gly Pro Gly Thr Pro Phe Leu Ser Leu Leu Leu Val Ser Ile Lys			
174	10 15 20			
176	caa gtaagaacag atttttatttc ctcatcc 493			
177	Gln			
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183	<213> ORGANISM: Homo sapiens			
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186	ccgccttgc ttcttcgttgc agcgttgc ggaagtccca gaaagcacag ctgacttagg 60			
187	gaagggtctgg gaaaaatctc cctgcttttggggggcagg ggccggggat gagccagggc 120			
188	cgagaaggaa ctctgaagac tccgttagatt gctctagacc gcctcagaca ctctcgccgc 180			
189	agcgtggaga ggatttgc aaacatttcc tctgtggacc aagaggaatg caagaggagg 240			
190	ctgcctgcgg tgcatcttgg acggctagag agatgtaccc ctacttgta aggtgcacga 300			
191	ggaagatgaa gctgggatcg agcaggccag ggccctggag aggaagcgcg ggactcctgc 360			
192	ctggcgatcca cgagctcccc atggcattcc ctggccctgt ggggaccagt cctctctcc 420			

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193 tccacaggaa gtgctctctc tggggcccctg ggaggccctt cctcaactctg gtcctgtctgg 480  
194 tttccatcaa gcaagtaaga gcagttcatt attattatta ttatcag 527  
197 <210> SEQ ID NO: 8  
198 <211> LENGTH: 293  
199 <212> TYPE: DNA  
200 <213> ORGANISM: Rattus sp.  
202 <400> SEQUENCE: 8  
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205 gccccggcagt gcccagttaga tgcagagagg caccctgtcc ccgagtgagg gcacagccag 180  
206 tgggcattccc tgaggccctag gggccctgttc ctctccactc ccaacagatg cgtctgtgt 240  
207 ggggccttgg gaggcccttc ctgccttgc ttctgtgtt ttccatcaag caa 293  
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211 <211> LENGTH: 22  
212 <212> TYPE: PRT  
213 <213> ORGANISM: Mus sp.  
215 <400> SEQUENCE: 9  
216 Met Arg Arg Leu Trp Gly Pro Gly Thr Pro Phe Leu Ser Leu Leu Leu  
217 1 5 10 15  
219 Leu Val Ser Ile Lys Gln  
220 20  
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224 <211> LENGTH: 21  
225 <212> TYPE: DNA  
226 <213> ORGANISM: Artificial Sequence  
228 <220> FEATURE:  
229 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer  
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235 <210> SEQ ID NO: 11  
236 <211> LENGTH: 24  
237 <212> TYPE: DNA  
238 <213> ORGANISM: Artificial Sequence  
240 <220> FEATURE:  
241 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer  
243 <400> SEQUENCE: 11  
244 gatctcaactc tcttccagaa tctc 24  
247 <210> SEQ ID NO: 12  
248 <211> LENGTH: 21  
249 <212> TYPE: DNA  
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252 <220> FEATURE:  
253 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer  
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256 ctgctgggtt ccatcaagca a 21  
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Input Set : A:\16777463.app  
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276 <220> FEATURE:  
277 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer  
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280 tccaccaccc tgttgctgta g  
283 <210> SEQ ID NO: 15  
284 <211> LENGTH: 22  
285 <212> TYPE: DNA  
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288 <220> FEATURE:  
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320 <211> LENGTH: 21  
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324 <220> FEATURE:  
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328 tcaggaagat cgcactccag c

**VERIFICATION SUMMARY**

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